				W	M										neer <u>1</u> 01 _	1		
Form PTO-144	19			•						of Commerce mark Office	Atty. Docket No. P19913		Serial No. 09/831,346					
Г	NFO			В	ΥAΙ	PPL	ICA	NT	STATEMEN	٧T		Applicant Siew Kok HUI						
		(Use	seve	ral s	sheet	s if	nece	essary)			Filing Date Group May 11, 2001 2631						
										U.S. PATENT	T D	OCUMENTS						
EXAMINER INITIAL		N		DOC BER		iEN'	Γ		DATE		N/	AME	CLASS	SUBCLASS		G DATE OPRIATE		
(P Exc)	$\sqrt{}$	4	9	3	1	9	7	7	06/05/90	KLEMES								
not .	اليا																	
ANE O , SOLD	OFFICE													RECT				
TONT & THADEN	\$/											7		AUG 0 3	VED			
A IHA							·							AUG 03	2001			
													/	echnology Cei	Iter 200			
															2000			
									•									
									F	OREIGN PATI	ENT	DOCUMENTS			•			
				JME BER					DATE	C	cou	NTRY	CLASS	SUBCLASS	TRANS YES	LATION NO		
									,			,						
,																		
						OT	HŒI	R DO	CUMENT	S (Including A	Luth	or, Title, Date, Per	tinent Pages,	Etc.)	-			
			Γ												4 14			
	T													·				
							-			<u>-</u>								
EXAMINER	•	T	<u></u>	٠	لم	-1	_	- Q C	 >			DATE CONSIDER	ED 9/	22/04				
*EXAMINER and not consid	Init	ial i In	f cit	atior	ı cor	nside	ved.	who	ether or not	citation is in cor	nfor app	mance with MPEP (if not in con	formance		

Paper #4

Form PTO-144	19									of Commerce emark Office	Atty. Docket No. P19913		Serial No. 09/831,346	SEDECEIL		
I	NFC			B	Y A	PPL	ICA	NT	STATEME	NT	Applicant Siew Kok HUI					
		(Use	seve	eral s	shee	ts if	nec	essary)		Filing Date May 11, 2001		Group 2631	SEP 1 3 200		
										U.S. PATENT	DOCUMENTS					
EXAMINER INITIAL DOCUMENT DATE NUMBER						DATE	1	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE					
X		4	0	2	5	7	2	1	05/24/97	GRAUPE et al.						
PE JCIA		4	4	2	5	4	8	1	01/10/84	MANSGOLD 6	t al.			· · · · · · · · · · · · · · · · · · ·		
7001		4	5	8	9	1	3	7	05/13/86	MILLER						
263 10 100	OFF	4	6	2	8	5	2	9	12/09/86	BORTH et al.						
- I		4	6	3	0	3	0	4	12/16/86	BORTH et al.						
TRADE		4	6	3	0	3	0	5	12/16/86	BORTH et al.						
		4	8	8	7	2	9	9	12/12/89	CUMMINS et a	1.			-		
		4	9	5	6	8	6	7	09/11/90	ZUREK et al.						
		5	0	2	7	4	1	0	06/25/91	WILLIAMSON	et al.					
		5	2	2	4	1	7	0	06/29/93	WAITE, Jr.						
		5	4	0	2	4	9	6	03/28/95	SOLI et al.						
		5	4	1	2	7	3	5	05/02/95	ENGEBRETSC	N et al.					
		5	4	7	. 1	5	3	8	11/28/95	SASAKI et al.						
		5	4	7	5	7	5	9	12/12/95	ENGEBRETSC	N					
•		5	5	5	7	6	8	2	09/17/96	WARNER et al						
		5	6	2	7	7	9	9	05/06/97	HOSHUYAMA						
		5	6	8	0	4	6	7	10/21/97	HANSEN						
		5	6	9	4	4	7	4	12/02/97	NGO et al.						
		5	7	3	7	4	3	0	04/07/98	WIDROW						
		5	7	5	4	6	6	5	05/19/98	HOSOI						
		5	7	9	3	8	7	5	08/11/98	LEHR et al.				·		
		5	8	2	5	8	9	8	10/20/98	MARASH						
		5	8	3	5	6	0	7	11/10/98	MARTIN et al.						
		5	8	3	5	6	0	8	11/10/98	WARNAKA et	al.					
DC		5	9	1	7	9	2	1	06/29/99	SASAKI et al.						
EXAMINER	_	/	0		. e	J	_		0		DATE CONSIDERE	ED 9/2	2/04			

Paper #5

Form PTO-144	9									of Commerce mark Office	Atty. Docket No. P19913		Serial No. 09/831,346	in sty		
11	۱FO			B	Y Al	PPL	ICA	NT	STATEMEN	NT	Applicant Siew Kok HUI	echnology Contact				
		(Jse	seve	erai s	inee	IS II	nece	essary)		Filing Date May 11, 2001		Group 2631			
· U.S. PATENT I											DOCUMENTS	_		~		
EXAMINER INITIAL		DOCUMENT DATE NUMBER									NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
DC		5	9	9	1	4	1	8	11/23/99	KUO						
E vois		6	0	0	2	7	7	6	12/14/99	BHADKAMK	AR et al.					
and w		6	0	4	9	6	0	7	04/11/00	MARASH et a	ıl.					
8 / 0 Can 2		6	0	6	9	9	6	3	05/30/00	MARTIN et a						
V CHE	_	6	0	7	2	8	8	4	06/06/00	KATES						
MIS WHO		6	0	9	4	1	5	0	07/25/00	OHNISHI et a	1.					
						_										
				_	ļ					8						
						_										
		Ц				_			-							
			_						-							
									1							
			Ц							·						
			\dashv			_						<u></u>				
		Ц	-		_	 										
	H	Ц	Н			L	_		· · · · · · · · · · · · · · · · · · ·			,				
	H	Ц	Н		_	ig										
_		Ц			_	-	_							· ·		
	H	Ц	Н			\Vdash				<u> </u>	· · · · · · · · · · · · · · · · · · ·		<u> </u>	· <u>· · · · · · · · · · · · · · · · · · </u>		
	_	\dashv			_	-	_									
		\sqcup	Н			L										
	_	\vdash			_	⊩							 	<u> </u>		
	_	H	H		-	\Vdash	-					ļ .	 			
		\mathbb{H}			-	-										
·	Ļ	Щ			<u></u>	I	L	L	l	<u> </u>	1	L,	L			

f	9						. Department tent and Trade	of Commerce emark Office	Atty. Docket N P19913	Atty. Docket No. Serial No. 09/831,346							
			В	Y A	PPL:	ICANT		1T	Applicant Siew Kok HUI								
	\	(U	se sev	eral	sheet	ts if neo	cessary)	:::-	Filing Date May 11, 2001		Group 2631						
1 6 2007	8			-				U.S. PATENT	DOCUMENTS								
MINER		1	DOCU JMBE		NT		DATE		NAME	CLASS	SUBCLASS		G DATE OPRIATE				
	Γ																
											/						
												RECE	VED				
												MAY 2	· · · ·				
									0		Tech	Bolos	EIVED 0 2002 Penter 2600				
												ology Cen	iter 2600				
							F	OREIGN PATI	ENT DOCUMEN	TS	•						
			CUM!				DATE	С	OUNTRY	CLASS	SUBCLASS	TRANS YES	LATION NO				
		1															
													1)				
			•	-	то	HER	DOCUMENT	S (Including A	uthor, Title, Dat	e, Pertinent Pages	, Etc.)						
DL	-	1	"Ada	ptive	Ant	enna S	ystems", by V	VIDROW et al.,	Proceedings of th	ie IEEE, vol. 55, no	o. 12, December,	1967, pages	2143-2159.				
DL	٦	2	"Sign	al C	ance	llation	Phenomena ii	n Adaptive Ante	nnas: Causes and	Cures", by WIDRO	OW et al., IEEE	Fransactions	on				
			Ante	nnas	and	Propag	ation, vol. AF	2-30, no. 3, May	, 1982, pages 469	-478.							
DC	_	3	"An A	—— Adap	tive	Genera	alized Sidelob	e Canceller with	Derivative Cons	traints", by BUCK	LEY et al., IEEE	Transactions	on				
		Ş#E	Antei	nnas	and	Propag	ation, vol. AI	9-34, no. 3, Mar	ch, 1986, pages 3	11-319.							
DC	-	4	"Fun	dame	ental	s of Sp	eech Recogni	tion", by RABI	NER et al., Prentic	ce Hall, 1993, page	s 77-79 and 183-	190.					
21	-	5								Time Spectral Am			AIM et al.,				
<u> </u>										ol. ASSP-32, no. 6,							
EXAMINER		7			١	1			DATE CONS		22/04						
EXAMINER			<u> </u>			Ŀ	<u>rep</u>		.l								

PTO-1449						U.	S. D aten	epart t and	ment o Trade	of Commer mark Office	rce	Atty. Docket No. P19913		00/0	al No. 31,346 'I stage of Po	CT/SG90/00119)	_			
INF	• 1 6	, ,	• ~ v	ΔΡ	PI II	.AIN			EMEN			Applicant Siew Kok HUI								
JUN 2 4 2003 U.S. PA											·赞1	Filing Date May 11, 2001 (I.A. Filed: 12 Nov	rember 1999)	1	Group 2631					
- leg			- 65 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	7_						U.S. PA	TENT	DOCUMENTS	·		Т	TO DATE	ᅱ			
AMINER NITIAL	DOCUMENT NUMBER							DA	TE			NAME	CLASS	SU	BCLASS	FILING DATE IF APPROPRIAT	E			
·		1			+	+			-			· · · · · · · · · · · · · · · · · · ·		+	RECE	IVED				
	++	十			十									+	JUN 2					
	11	†	1							ļ				+		Center 2600				
									<u></u>	ļ			_	- -"	SCHIOLOGY					
		1	\perp			\dashv		╁					_	_						
	11	4	_	╁	\vdash	-		+-												
	44	-	+	╀	\vdash	\vdash		+-		-						<u> </u>				
	+	-	+	+	-	H	_	+						_		<u> </u>				
	+	\vdash	+	+	+	\vdash	_	+							_					
	+	┤	\top	+	T															
										FOREIG	GN PA	TENT DOCUMENT	TS T	$\neg \top$		TRANSLATI	ION			
			ocu		TV		-		DATE	E		COUNTRY	CLAS	ss	SUBCLASS	S YES	NO			
	+	Z	JME	SEK	\neg	T	\neg	\dashv		_										
	+-	-	H		-	-	7	1								-				
	+	\vdash	$ \cdot $		H															
	+	T																		
												- Author Title Dat	e. Pertinent	Pages,	Etc.)					
						ОТ	THE	R DC	CUM	IENTS (I	nclud	ing Author, Title, Date to Linearly Constrain 1982, pp. 27-34.	ed Adaptive E	Beamfo	orming", IEE	E Transactions on A	nten			
DC		1	a	nd P	ropa	igati	on,	VO1. 7	11 -30,	1101 1, 1		O .: -1 Non Lines	r Spectral Am	plitude	Estimation,	" Proc. IEEE Interna	ation			
Dr			2 I	EPH! Conf	RAII	M et	al.,	stics	Speech	and Sign	al Pro	cessing (Boston), 1983	3, pp. 1118-11	21.						
EXAMIN		1	1	_	.	_		1.				DATE CON is in conformance with tion to applicant.	SIDERED .	9/	22/04					

P19913.P06								:								Sheet I o	
FORM PTO-	1449								epartment of nt and Trade		Atty. [P1991	Docket No.		Applica 09/831	ation No. , 346	<u> </u>	
OIPE	.).	RMA		N D BY					ATEMENT		Applicant . Siew Kok HUI						
JUL 0 8 2004	,E-862		se se	evera	l she	ets i	f neo	cessa	ry)		Filing May 1	Date 1, 2001		Group 2631			
	30								U.S. PAT	ENT DOCU	IMENT:	S		L			
EXPANEUR INITIAL			DOC	UMI	ENT	NU	MBI	ER	DATE		ME	CLASS	SUB	CLASS		G DATE OPRIATE	
DC		5 5 6 8 5 1 9							10/22/96	BAIER et	 -		502		II AII K	OTRIATE	
		6	0	9	7	7	7	1	08/01/00	FOSCHIN	I	-	-		<u> </u>		
		6	1	2	7	9	7	3	10/03/00	CHOI et a	l		<u> </u>			· -·	
DC		6	0	9	1	8	1	3	07/18/00	HARLEY	et al						
			ļ. <u>.</u>								<u></u>			·	\/FD		
													HL	ULI	VED		
		-				_							ال	JL 1 2	2004		
							-						Techno	ology C	enter 260	00	
	ı	Τ						F	OREIGN P	ATENT DO	CUME	NTS					
		1	,	JME	,				DATE	COUN	NTRY	CLASS	SUBO	CLASS	TRANS: YES	LATION NO	
Dr		0	8	8		3	2	5	12/09/98	E.P.O							
DL	03	/	0	3	6	6	1	4	05/01/03	W.I.P.O			ļ			,	
							<u> </u>	<u></u>									
				TH	ER	DOC	CUM	IEN'	ΓS (Includir	g Author, T	itle, Dat	te, Pertinent Pa	iges, Etc	:.)			
·																	
	_					• •											
					-								··				
			prore.														
																	
				· · · · · ·													
																· · · · · · · · · · · · · · · · · · ·	
		\bigsqcup								···-							
EXAMINER		D	au	~~	એ	L	ج	<u>م</u>		DAT	TE CON	SIDERED (9/22	104			

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include sopy of this form with next communication to applicant.